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Jim Haglund* (jhaglund@math.upenn.edu), Math Dept., Univ. of Pennsylvania, 209 S. 33rd St, Philadelphia, PA 19104-6395. *Combinatorial Formulas for (Type A) Macdonald Polynomials*. Preliminary report.

We give an overview of combinatorial formulas for type A Macdonald polynomials, including a detailed description of the HHL formula due to Haiman, Loehr and the speaker. We discuss more recent results of various authors which include improvements in the HHL formula arising from the study of models in statistical mechanics. (Received January 24, 2022)